

ABSTRACT OF THE DISCLOSURE

[0064] A method of recording neural responses reduces the inaccuracy of the recordings caused by nerve adaptation to repeated exposure of stimuli. In one embodiment, a maximum set of X number of successive stimuli are delivered through an electrode and the resulting neural response recorded and, afterwards, the next stimulation must occur through another electrode. This stimulation sequence prevents the same set of nerves from being stimulated too often, which can result in stimulus adaptation and cause measurement inaccuracy. In one embodiment of the invention, a smart software can be employed to provide visual plots of “growth curves”, including real-time calculated datapoints and their confidence intervals, and automatically terminate the recording session upon reaching a pre-set trigger. Alternatively, a human operator can terminate a recording session, based on visual feedback of growth curves, including their real-time calculated datapoints and confidence intervals.